

REMARKS

Claims 1-24, 26-32, 36-40 and 43-57 were pending in the application prior to this amendment. Claims 1-24, 26-32, 36-40 and 43-57 stand rejected. Claims 1-4, 6, 8-13, 15, 18, 20-23, 26-32, 36-39, 43, 44, 46-50, 52-55 and 57 are amended. New claim 58 has been added. Applicant requests reconsideration and allowance of all pending claims.

Claim Rejections - 35 U.S.C. § 102

Claims 1-24, 26-32, 36-40, and 43-57 stand rejected as being anticipated by Kim. These claims should all be allowed for at least the reasons that follow.

Claim 1, as amended, recites “a light source to produce light having a selected color content...and each reflecting element reflects at least a portion of the produced light from the light source to produce a beam of light biased towards a color content different from the selected color content, wherein the reflected beam of light travels to a scanning location”. Independent Claims 10, 19, 26, 31, 36, and 47 include similar features.

The cited FIGS. 7-8 of Kim disclose a rotary filter 46 which separates the light into plural color signals before passing the separated light signal to a line sensor. See Kim, Column 3, lines 38-44. Kim’s rotary filter 46 does not have a light source disposed in one of the grooves, nor does it have a reflecting element to reflect at least a portion of the produced light from the light source to produce a beam of light biased towards a color content different from the selected color content.

As shown in FIG. 5 of Kim, the light signal irradiated from the fluorescent lamp 40 travels directly to the image-bearing object 42, is reflected from the surface of the image-bearing object 42, and is transmitted to the line sensor 45 via three reflecting mirrors 43a, 43b and 43c, through a rotary filter 46 to the line sensor 45. Kim does not teach or suggest, inter alia, a light source to produce light having a selected color content...and each reflecting element reflects at least a portion of the produced light from the light source to produce a beam of light biased towards a color content different from the selected color content, wherein the reflected beam of light travels to a scanning location.

Accordingly, for at least this reason, Kim does not anticipate all of the features as set forth in independent claims 10, 19, 26, 31, 36, and 47, much less in their dependent claims. Therefore, claims 1-24, 26-32, 36-40, and 43-56 should be allowed. New claim 58 is dependent and should be allowed for at least similar reasons.

Claim 57 has been put into independent form. No other amendments have been made to claim 57. Kim does not disclose the feature of “wherein light from the light source and

reflected light from one of the reflecting elements both converge to a scanning location, wherein the reflecting elements, the light source and the scanning location form a substantially straight line configuration with the light source positioned between the reflecting elements and the scanning location.”

Referring to FIGS. 4 and 7 of Kim, the Office Action alleges that the filter 46 comprises the claimed reflecting elements. *See* page 10, citing FIG. 7 of Kim. However, as shown in FIG. 4 only the light passing through the filter 46 reaches the line sensor 45. Any separated light reflected by the filter 45 is intentionally prevented from reaching the line sensor 45 by the optical separation effect. *See* col. 1, lines 45-59. Moreover, any light separated by the filter 40 does not converge on the image bearing object 42.

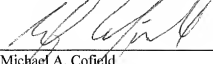
In contrast, claim 57 includes the feature of wherein light from the light source and reflected light from one of the reflecting elements both converge to a scanning location, wherein the reflecting elements, the light source and the scanning location form a substantially straight line configuration with the light source positioned between the reflecting elements and the scanning location. Thus, claim 57 should be allowed.

CONCLUSION

For the foregoing reasons, reconsideration and allowance of all pending claims is requested. The Examiner is encouraged to telephone the undersigned at 503-224-2170 if it appears that an interview would be helpful in advancing the case.

Respectfully submitted,

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